

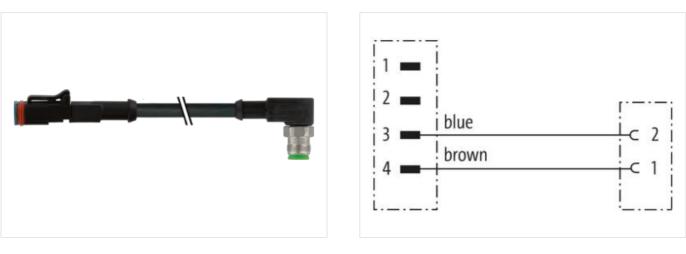
M12 Xtreme male 90° A-cod. / valve plug MDC06-2s

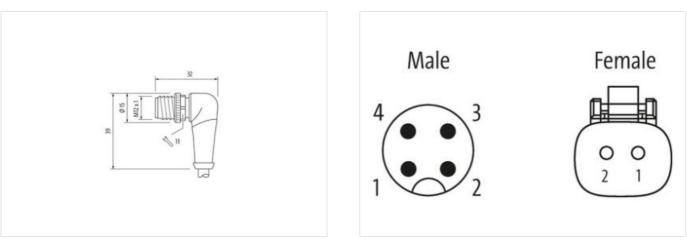
PUR 2x0.75 bk UL/CSA+drag ch. 10m

Xtreme - Outdoor Further cable lengths on request. Male 90° - male straight M12 4-pole Deutsch MDC06-2S 2-pole Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request.

Link to Product

Illustration





Product may differ from Image

Cable length	10 m
Side 1	
Family construction form	M12
suitable for corrugated tube (internal Ø)	10 mm

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-06

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Coding	A
Material	PUR
Width across flats	SW14
Side 2	
Tightening torque	0.6 Nm
Family construction form	Amphenol AT06-2S
Thread	M12 x 1
suitable for corrugated tube (internal Ø)	11 mm
Material	PA
Commercial data	
ECLASS-6.0	27279218
ECLASS-7.0	27279218
ECLASS-8.0	27279218
ECLASS-9.0	27060311
ECLASS-10.1	27060312
ECLASS-11.1	27060312
ECLASS-12.0	27060312
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879657785
Packaging unit	1
Electrical data Supply	
Operating voltage AC min.	12 V
Operating voltage AC max.	230 V
Operating voltage DC min.	12 V
Operating voltage DC max.	230 V
Current operating per contact max.	4 A
Device protection Electrical	
Degree of protection (EN IEC 60529)	IP65, IP67, IP68, IP66K
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	2,5 kV
Material group (IEC 60664-1)	
Additional suppressor	without components
Mechanical data Material data	
Material gasket	Silicon
Locking material	Stainless steel 1.4305 (V2A)
,	
Mechanical data Mounting data	
Mounting method	inserted, screwed, Shaking protection
Looking techniques	Snap-in connector
Environmental characteristics Climatic	
Operating temperature min.	-25 °C
Operating temperature max.	85 °C
Additional condition temperature range	depending on cable quality
Important installation notes	
Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Note on bending radius	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.
Installation Cable	
Cable identification	754
Cable Type	3
mation in this Product-PDF has been compiled with th	

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Type of Centricate cURus Armount stranding 1 Stranding 2 wires twisted wire arrangement brown, blue Traversing distance (C+rack) 10 mg 02 Sr C) horizontal Cable weight 40.7 g/m Material jacket PUR Shore hardness jacket 90.5 Shore A Freedom from ingredients (gacket) lead-free, cadmum-free, CPC-free, halogen-free, silicone-free Outer-diameter (gacket) ± 5 % Material wei insulation PP Annoent wins 2 Outer diameter insulation 1.7 mm Outer diameter insulation 1.4 5 Sm Shore hardness wire insulation 1.4 5 Sm Part Toward wire insulation 1.4 5 Sm Part Diameter of single wires 0.15 mm Conduct drameter insulation 1.4 5 Sm Part Diameter of single wires 0.15 mm Conductor view is Strande copper wire, bare Conductor view Conductor view Strande copper wire, bare Conductor view (wire) 0.75 mm ² Material conductor wire Stram ²	Jacket Color	black
Stranding 2 wires twisted wire arrangement brown, blue Traversing distance (C-track) 10 m @ 25 °C [horizontal Cable weigh 40.7 g/m Material jacket PUR Since hardness jacket 90 5 5 Shore A Freedom from ingredients (gacket) lead-free, cadmium-free, CPC-free, halogen-free, silicone-free Outer diameter (gacket) 15 % Material wei insulation PP Amount wires 2 Outer diameter (sheath) 1.5 % Material wei insulation 1.7 mn Outer diameter wei insulation 1.2 % Since hardness wire insulation 1.2 % Ingredient freeness wire insulation 1.2 % Material wei insulation 1.2 % Since hardness wire insulation 1.2 % Material weit insulation 1.2 % Since hardness weit insulation 1.2 % Material weit insulation 1.5 % Material work weit insulation 1.2 % Conductor type (wire) 0.75 mm ² Material work weit insulation 1.2 % X <td< td=""><td>Type of Certificate</td><td>cURus</td></td<>	Type of Certificate	cURus
wire arrangement brown, blue Traversing distance (C-track) 10 m @ 25 °C [horizontal Cable weight 40,7 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (lacket) lead free, cambium-free, CFC-free, halogen-free Outer diameter (gabed) 5 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 2 Outer diameter insulation 1,7 mm Outer diameter insulation 70 ± 5 Shore D Ingredient treeness wire insulation 70 ± 5 Shore D Ingredient treeness wire insulation 70 ± 5 Shore D Ingredient treeness wire insulation 70 ± 5 Shore D Ingredient treeness wire insulation 80 ± 5 % mm² Conductor wire Stranded copper wire, Dare	Amount stranding	1
Traversing distance (C-track) 10 m @ 25 °C horizontal Cable weight 40,7 g/m Material jackt PUR Shore hardness jackel 90 ± 5 Shore A Freedom from ingredients (jackel) tead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jackel) 5 m Tolerance outer diameter (sheath) ± 5 % Material jackt PP Amount wires 2 Outer diameter one insulation 1,7 mm Outer diameter tolerance ore insulation ± 5 % Shore hardness wire insulation 16 shore hardness wire insulation Traversing law vices 0,15 mm Conductor crosssection (wire) 0,75 mm ² Conductor vice Stranded copper wire, bare	Stranding	2 wires twisted
Cable weight 40,7 g/m Material jacket PUR Shore hardness glackt 90 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, allicone-free Outer-diameter (jacket) 5 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 2 Outer diameter insulation 1,7 mm Outer diameter insulation 10 % % Shore hardness wire insulation 10 % % Imgredimt freeness wire insulation 10 % % Conductor crosses wire insulation 10 % % Imgredimt freeness wire insulation 10 % % Conductor viscos wire insulation 10 % free Conductor vipe (wire) strand class 6 Nominal voltage AC max. 300 V Current load capacity risk indurd? to DIN VDE 0289.4 Current load capacity risk indured voltage (wire - is / 2, 5 k/ Ø @ 60 s	wire arrangement	brown, blue
Material jacket PUR Shore hardness jacket 99 ± 5 Shore A Freedom from ingredients (jacket) bead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 5 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 2 Outer diameter (issulation 1,7 mm Outer diameter (issulation 70 ± 5 Shore D Ingredient freeness wire insulation 1e4 free, cadmium-free, CFC-free, halogen-free, silicone-free Amount stands (wire) 42 Diameter of single wires 0,15 mm Conductor type (wire) 0,75 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 300 V Current load capacity min. wire 12 A Electrical resistance line constant wire 25 KV @ 80 s Power frequency withstand voltage (wire - wire) 2,5 KV @ 80 s Power frequency withstand voltage (wire - wire) 2,5 KV @ 80 s Power frequency withstand voltage (wire - wire) 2,5 KV @ 80 s	Traversing distance (C-track)	10 m @ 25 °C horizontal
Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 5 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Arrount wires 2 Outer diameter orberance core insulation 1.7 mm Outer diameter orberance core insulation 1.5 % Shore hardness wire insulation 1.6 % Shore hardness wire insulation 1.6 % Conductor coresens wire insulation 1.6 % Amount strands (wire) 42 Diameter of single wires 0.15 mm Conductor wires section (wire) 0.75 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (wire wire) 2.5 kV @ 60 s Ac withstand voltage (wire - wire) 2.5 kV @ 60 s Operating temperature (static)	Cable weigth	40,7 g/m
Freedom from ingredients (jacket) lead free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 5 mm Tolerance outer diameter (sheath) 5 % Material wire insulation PP Amount Wires 2 Outer diameter insulation 1.7 mm Outer diameter insulation 70 ± 5 % 0 Shore hardness wire insulation 70 ± 5 % 0 Amount stands (wire) 42 Diameter of single wires 0.15 mm Conductor crosssection (wire) 0.75 mm ² Material conductor wire Stranded copper wire, bare Conductor vire 2 & Mare & 20 * °C Conductor vire 2.5 kV @ 60 s Nominal voltage (wire - vire) 2.5 kV @ 60 s Current load capacity min. wire 12 A Electrical resistance line constant wire 2.5 kV @ 60 s A comparating temperature (static) -40 * °C Max. operating temperature (static) -25 °C<	Material jacket	PUR
Outer-diameter (jacket) 5 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 2 Outer diameter tolerance core insulation 1.7 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 1.2 5 Shore D Ingredient freeness wire insulation 1.8 5 % Diameter of single wires 0.15 mm Conductor cossescion (wire) 42 Dominar of single wires 0.15 mm² Conductor cossescion (wire) 0.75 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (min. wire 2.6 kV @ 80 s Power frequency withstand voltage (wire - iacket) 2.5 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (static) -6	Shore hardness jacket	90 ± 5 Shore A
Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 2 Outer diameter insulation 1.7 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 10 ± 5 % Amount strands (wire) 42 Diameter of single wires 0.15 mm Conductor crosssection (wire) 0.75 mm² Material conductor wire Stranded coper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 300 V Current load capacity min, wire 12 A Electrical resistance line constant wire 26 Ωkm @ 20 °C AC withstand voltage (wire - vire) 2.5 kV @ 60 s Power frequency withstand voltage (wire - isold Comparition) 2.5 kV @ 60 s Min. operating temperature (static) -40 °C Mix accerating temperature (static) -60 °C 90 °C @ 10000 h Operation Operating t	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Material wire insulation PP Amount Wries 2 Outer diameter insulation 1,7 mm Outer diameter Iderance core insulation ± 5 % Shore hardness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 1ead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 42 Diameter of single wires 0,15 mm Conductor wire Stranded copper wire, bare Corrent load capacity (strandard)	Outer-diameter (jacket)	5 mm
Amount wires 2 Outer diameter insulation 1,7 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 42 Diameter of single wires 0,15 mm Conductor orsessection (wire) 0,75 mm ² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 200 V Current tool capacity (standard) to DIN VDE 028-4 Current tool capacity (wire - wire) 2,5 kV Ø 60 s Power frequency withstand voltage (wire - isolato) 2,5 kV Ø 60 s Jackter to (standar) 80 °C / 90 °C Ø 10000 h Operation Operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Max operating temperature (static) 80 °C / 90 °C Ø 10000 h Operation Querating temperature (static) -40 °C Max. operating temperature (static) -40 °C Max operating temperature (static) -60 °C Ø 10000 h Operation Operating tempe	Tolerance outer diameter (sheath)	±5%
Outer diameter insulation 1,7 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 42 Diameter of single wires 0.15 mm Conductor vice Stranded copper wire, bare Conductor vice Strande copper wire, bare Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) Sto 20 v° C	Material wire insulation	PP
Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 42 Diameter of single wires 0.15 mm Conductor crosssection (wire) 0.75 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to OIN QPC Ac withstand voltage (wire - 2.5 kV @ 60 s Power frequency withstand voltage (wire - 2.5 kV @ 60 s Min.	Amount wires	2
Shore hardness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 42 Diameter of single wires 0,15 mm Conductor rossection (wire) 0.75 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (ni, wire) 2.5 kV @ 60 s Power frequency withstand voltage (wire - wire) 2.5 kV @ 60 s Min: operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Max. operating temperature (static) -55 °C Operating temperature (static) -60 °C @ 10000 h Operation UV resistance UL 1581 § 1100 FT2 IEC 60332-2-2 Chemical resistance Good, application-related testing Ga	Outer diameter insulation	1,7 mm
Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free Amount strands (wire) 42 Diameter of single wires 0.15 mm Conductor crossection (wire) 0.75 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 12 A Electrical resistance line constant wire 26 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2,5 kV @ 60 s Power frequency withstand voltage (wire - iapket) -40 °C Max. operating temperature (static) -40 °C Max. operating temperature (static) -60 °C @ 10000 h Operation Operating temperature (static) 80 °C / 90 °C @ 10000 h Operation UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 che	Outer diameter tolerance core insulation	± 5 %
Amount strands (wire) 42 Diameter of single wires 0,15 mm Conductor crosssection (wire) 0,75 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 12 A Electrical resistance line constant wire 26 0km @ 20 °C AC withstand voltage (wire - wire) 2,5 kV @ 60 s Power frequency withstand voltage (wire - jacket) 40 °C Max. operating temperature (static) -40 °C Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 Chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Gasoline resistance </td <td>Shore hardness wire insulation</td> <td>70 ± 5 Shore D</td>	Shore hardness wire insulation	70 ± 5 Shore D
Diameter of single wires0.15 mmConductor crosssection (wire)0.75 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity (wire - wire)2.5 kV @ 60 sPower frequency withstand voltage (wire - gacket)2.5 kV @ 60 sMax. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature max. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationUV resistanceDIN EN ISO 4892-2 AFlame resistanceUL 1581 § 1100 FT2 IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingGil resistanceDIN EN ISO 4892-2 MFlame resistanceDIN EN 60811-404 Good, application-related testingGasoline resistanceDIN EN 60811-404 Good, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingBending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterTravel speed (C-track)10 Min. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Conductor crosssection (wire) 0,75 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 12 A Electrical resistance line constant wire 26 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2,5 kV @ 60 s Power frequency withstand voltage (wire - isok of 0 s) 2,5 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature max. (dynamic) -25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Oil resistance	Amount strands (wire)	42
Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 12 A Electrical resistance line constant wire 26 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2,5 kV @ 60 s Power frequency withstand voltage (wire - jacket) -40 °C Min. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Max. operating temperature (static) -25 °C Operating temperature max. (dynamic) 25 °C Operating temperature max. (dynamic) -25 °C Operating temperature max. (dynamic) -25 °C Operating temperature max. (dynamic) 100 °C @ 10000 h Operation UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1000 UL 1581 § 1100 FT2 IEC 60332-2-2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing	Diameter of single wires	0,15 mm
$ \begin{array}{c} \mbox{Conductor type (wire)} & \mbox{strand class 6} \\ \mbox{Nominal voltage AC max.} & \mbox{300 V} \\ \mbox{Current load capacity (standard)} & \mbox{to DIN VDE 0298-4} \\ \mbox{Current load capacity min. wire} & \mbox{12 A} \\ \mbox{Electrical resistance line constant wire} & \mbox{26 } \Omega km @ 20 °C \\ \mbox{AC withstand voltage (wire - wire)} & \mbox{2, 5 kV @ 60 s} \\ \mbox{Power frequency withstand voltage (wire - \mbox{2, 5 kV @ 60 s} \\ \mbox{Power frequency withstand voltage (wire - \mbox{2, 5 kV @ 60 s} \\ \mbox{Min. operating temperature (static)} & -\mbox{40 °C} \\ \mbox{Max. operating temperature (static)} & -\mbox{40 °C} \\ \mbox{Max. operating temperature (fixed)} & \mbox{80 °C / 90 °C @ 10000 h Operation} \\ \mbox{Operating temperature max. (dynamic)} & -\mbox{25 °C} \\ \mbox{Operating temperature max. (dynamic)} & \mbox{26 °C @ 10000 h Operation} \\ \mbox{UV resistance} & \mbox{DIN EN ISO 4892-2 A} \\ \mbox{Flame resistance} & \mbox{UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2 \\ \mbox{chemical resistance} & \mbox{Good, application-related testing} \\ \mbox{Gasoline resistance} & \mbox{Outer diameter} \\ \mbox{Olter diameter} \\ \mbox{Flame resistance} & \mbox{DIN EN I60 dag. plication-related testing} \\ \mbox{Bending radius (fixed)} & \mbox{5 x Outer diameter} \\ \mbox{Travel speed (C-track)} & \mbox{10 Min. @ 25 °C} \\ \mbox{No. of torsion cycles} & \mbox{2 Min.} \\ \mbox{Torsion stress} & \mbox{1 to 80 'm} \\ \end{tabular}$	Conductor crosssection (wire)	0,75 mm ²
Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 12 A Electrical resistance line constant wire 26 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2,5 kV @ 60 s Power frequency withstand voltage (wire - incket) 2,5 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Max. operating temperature (mixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (dynamic) 10 × Outer diameter Travel speed (C-track) 10 Mio. @ 25 °C No. of torsion cycles 2 Mio. Torsion stress ± 1	Material conductor wire	Stranded copper wire, bare
Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 12 A Electrical resistance line constant wire 26 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2,5 kV @ 60 s Power frequency withstand voltage (wire - jacket) 2,5 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Max. operating temperature (ixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation UV resistance DIN EN S04892-2 A Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 chemical resistance Good, application-related testing Gasoline resistance DIN EN 60811-404 Good, application-related testing Oil resistance DIN	Conductor type (wire)	strand class 6
Current load capacity min. wire 12 A Electrical resistance line constant wire 26 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2,5 kV @ 60 s Power frequency withstand voltage (wire - jacket) 2,5 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1000 I'L 1581 § 1100 FT2 IEC 60332-2-2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter Travel speed (C-track) 10 Mio. @ 25 °C No. of torsion cycles 2 Mio. Torsion stress ± 180 °/m	Nominal voltage AC max.	300 V
Electrical resistance line constant wire 26 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2,5 kV @ 60 s Power frequency withstand voltage (wire - jacket) 2,5 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (ixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1000 UL 1581 § 1100 FT2 IEC 60332-2-2 chemical resistance Good, application-related testing Gasoline resistance DIN EN 60811-404 Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter Travel speed (C-track) 10 Mio. @ 25 °C No. of torsion cycles 2 Mio. Torsion stress ± 180 °/m	Current load capacity (standard)	to DIN VDE 0298-4
AC withstand voltage (wire - wire)2.5 kV @ 60 sPower frequency withstand voltage (wire - jacket)2.5 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (ixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationUV resistanceDIN EN ISO 4892-2 AFlame resistanceUL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceDIN EN 60811-404 Good, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingBending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterTravel speed (C-track)10 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m	Current load capacity min. wire	12 A
Power frequency withstand voltage (wire - jacket)2,5 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationUV resistanceDIN EN ISO 4892-2 AFlame resistanceUL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceDIN EN 60811-404 Good, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingBending radius (fixed)5 x Outer diameterBending radius (fixed)10 x Outer diameterTravel speed (C-track)10 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m	Electrical resistance line constant wire	26 Ω/km @ 20 °C
jacket)2,5 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationUV resistanceDIN EN ISO 4892-2 AFlame resistanceUL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingBending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterTravel speed (C-track)10 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m	AC withstand voltage (wire - wire)	2,5 kV @ 60 s
Max. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationUV resistanceDIN EN ISO 4892-2 AFlame resistanceUL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingBending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterTravel speed (C-track)10 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m		2,5 kV @ 60 s
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Flame resistance UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter Travel speed (C-track) 10 Mio. @ 25 °C No. of torsion cycles 2 Mio. Torsion stress ± 180 °/m	Operating temperature max. (dynamic)	80 °C / 90 °C @ 10000 h Operation
chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingBending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterTravel speed (C-track)10 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m	UV resistance	DIN EN ISO 4892-2 A
Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter Travel speed (C-track) 10 Mio. @ 25 °C No. of torsion cycles 2 Mio. Torsion stress ± 180 °/m	Flame resistance	UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2
Oil resistanceDIN EN 60811-404 Good, application-related testingBending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterTravel speed (C-track)10 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m	chemical resistance	Good, application-related testing
Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter Travel speed (C-track) 10 Mio. @ 25 °C No. of torsion cycles 2 Mio. Torsion stress ± 180 °/m	Gasoline resistance	Good, application-related testing
Bending radius (dynamic) 10 × Outer diameter Travel speed (C-track) 10 Mio. @ 25 °C No. of torsion cycles 2 Mio. Torsion stress ± 180 °/m	Oil resistance	DIN EN 60811-404 Good, application-related testing
Travel speed (C-track) 10 Mio. @ 25 °C No. of torsion cycles 2 Mio. Torsion stress ± 180 °/m	Bending radius (fixed)	5 x Outer diameter
No. of torsion cycles 2 Mio. Torsion stress ± 180 °/m	Bending radius (dynamic)	10 x Outer diameter
Torsion stress ± 180 °/m	Travel speed (C-track)	10 Mio. @ 25 °C
	No. of torsion cycles	2 Mio.
Torsion speed 35 cycles/min	Torsion stress	± 180 °/m
	Torsion speed	35 cycles/min

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-06

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